

## 2.5 Case Study

### Analyzing Catering-Service Sickness Data

Name \_\_\_\_\_

Hour \_\_\_\_\_ Date \_\_\_\_\_

Read the introduction at the top of p. 41.

What's the problem?



### Examine a Case Study

Read the case study on pp. 41-42.

How is bacteria related to gastrointestinal illness?

What happens to bacteria in a warm environment?

Darrell's question is, "What is causing people to get sick at the family reunions?" How could we change that question to make it more focused? (Hint: think about how we include the variables when we write a question for an investigation.)

### Stop and Think

1. What variables did Darrell track for his investigation?

2. Why did Darrell record the outside temperature?

### Analyze Your Data

Examine the data table Darrell created for his uncle. Reorganize the data so you can see how different variables affected the number of people who got sick. Record your new data table here:

Based on your data table, make three statements about why the people were getting sick.

1.

2.

3.

What will you tell Darrell's uncle about the food to keep other people from getting sick?



### **Reflect**

1. Why do you think your way of organizing information would help Darrell's uncle understand the data so he could answer the question?

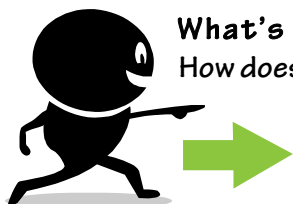
2. What does this investigation have to do with bacteria and spreading disease?

3. Can you tell from the case study if the illness people got might be a communicable disease? Why/why not?

### **Communicate Your Results**

Follow your teacher's directions to share your conclusions.

### **Update the Project Board**



### **What's the Point?**

How does the information you've learned from this case study apply to your own life?